

**REMARKS**

Claims 1-25 of the present application are pending. Claims 1, 2, 4-6, 8, 9, 11, 12, 14-16, 18, and 19 stand rejected under 35 USC §102(e) as being anticipated by United States Pat. No. 6,511,035, issued to Teel et al. (hereinafter Teel), and claims 21-25 stand rejected under 35 USC §102(b) as being anticipated by United States Pat. No. 6,220,100, issued to Felkins et al. (hereinafter Felkins). In addition, claims 3 and 13 stand rejected under 35 USC §103(a) as being unpatentable over Teel in view of United States Pat. No. 5,170,104, issued to Laughlin (hereinafter Laughlin), claims 7 and 17 stand rejected under 35 USC §103(a) as being unpatentable over Teel in view of United States Pat. No. 6,241,435, issued to Huang et al. (hereinafter Huang), and claims 10 and 20 stand rejected under 35 USC §103(a) as being unpatentable over Teel. The Applicants have cancelled claims 10 and 20-25 and added claims 26-29. For the reasons set forth below the Applicants respectfully submit that all the claims pending in the present application are in condition for allowance and allowance is respectfully requested.

Claims 1, 2, 4-6, 8, 9, 11, 12, 14-16, 18, and 19 stand rejected under 35 USC §102(e) as being anticipated by Teel. For a reference to anticipate a claim under 35 U.S.C. §102, the reference must teach every element of the claimed invention. (See MPEP §2131). Claim 1 of the present application is directed to a platform assembly that supports a vibration-sensitive payload and includes a table having a first surface coupled to the vibration-sensitive payload and a second surface, an inner core located between the first and second surfaces, and a vibration sensor located within the inner core.

In contrast, Teel is directed to an active vibration isolation system and includes a sensor that can sense the movement of an element and provide an output signal that corresponds to the element movement, an actuator that can move the element in accordance with a control system output, and a controller that can receive the output signal from the sensor and provide the control system output to the actuator. Teel states "[t]he push rod 46 is attached to a cup 50 which houses a sensor 52." (see Col 3, l. 59-60). As such, the Applicants respectfully submit that Teel fails to teach every element of the device of claim 1 in accordance with MPEP §2131. Therefore, the Applicants respectfully submit that claim 1 is patentable over Teel. Further, the Applicants respectfully submit that claims 2, 4-6, 8, and 9 which variously depend from claim 1, are similarly allowable over Teel.

For at least the reasons stated above, the Applicants respectfully submit that claims 11, 12, 14-16, 18, and 19 are allowable over Teel. More specifically, the Applicants respectfully submit that Teel fails to teach or suggest a vibration sensor means for sensing a vibration of the first surface located within the inner core. As such, the Applicants respectfully submit that Teel fails to teach every element of the device of claim 11 in accordance with MPEP §2131.

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Amendment and Resp to OA

The Applicants have cancelled claim 21-25. Therefore, the Examiner's rejection to claims 21-25 is moot.

Claims 3 and 13 of the present application stand rejected under 35 USC §103(a) as being unpatentable over Teel in view of Laughlin. To establish a prima facie case of obviousness, three basic criteria must be met by the Examiner. First, there must be some suggestion or motivation, either in the references themselves or in the knowledge generally available to one of ordinary skill in the art, to modify the references or to combine the teaching of the references. Second, there must be a reasonable expectation of success. Finally, the prior art reference (or references when combined) must teach or suggest all the claim limitations. (see MPEP §2143.03). As discussed above, Teel fails to teach or suggest a platform having a first surface and a second surface and an inner core positioned therebetween having at least one vibration sensor positioned therein. Like Teel, Laughlin fails to teach or suggest a platform having a vibration sensor positioned within an inner core. As such, the Applicants respectfully submit that neither Teel nor Laughlin, alone or in combination, teach or suggest all the limitations of claims 3 and 13 in accordance with MPEP §2143.03.

Claims 7 and 17 of the present application stand rejected under 35 USC §103(a) as being unpatentable over Teel in view of Huang. Huang is directed to a universal adaptive machining chatter control fixture. Like Teel, Huang fails to teach or suggest a platform having a first surface and a second surface and an inner core positioned therebetween having at least one vibration sensor positioned therein. As such, the Applicants respectfully submit that neither Teel nor Huang, alone or in combination, teaches or suggests all the limitations of claims 7 and 17 of the present application in accordance with MPEP §2143.03.

Further, the Applicants respectfully submits that the Examiner has failed to provide a motivation to modify or combine the teaches of Teel with the teaching of Laughlin or Huang in order to make the rejection to claims 3, 7, 13, and 17 as required by MPEP §2143.03. Rather, the Applicants respectfully submit that the Examiner has used impermissible hindsight to recreate the Applicant's invention.

Claims 10 and 20 of the present application have been cancelled. As such, the Applicants respectfully submit that the Examiner's rejection is moot.

If the Examiner feels for any reason that direct contact with Applicant's attorney will advance the prosecution of this case to finality, the Examiner is invited to contact the undersigned at the number given below.

**CONCLUSION**

It is submitted that the present application is in form for allowance, and such action is respectfully requested. The Commissioner is authorized to charge any additional fees which may be required, including petition fees and extension of time fees, to Deposit Account No. 50-3411 (Docket No. 155603-0311).

Respectfully submitted,

Dated: \_\_\_\_\_

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By: \_\_\_\_\_

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